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9-10)

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SLIDES: Arizona Contributions to Address Lake Mead's Structural Deficit

Amy McCoy

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Arizona Contributions to Address Lake Mead's Structural Deficit

2016 Martz Summer Conference | June 9, 2016

*Amy McCoy, Director
Aylward + McCoy & Pilz Consulting LLC*

Lower Basin Allocations from Lake Mead

California 4.4 maf

+

Arizona 2.8 maf

+

Mexico 1.4 maf

+

Nevada 0.3 maf

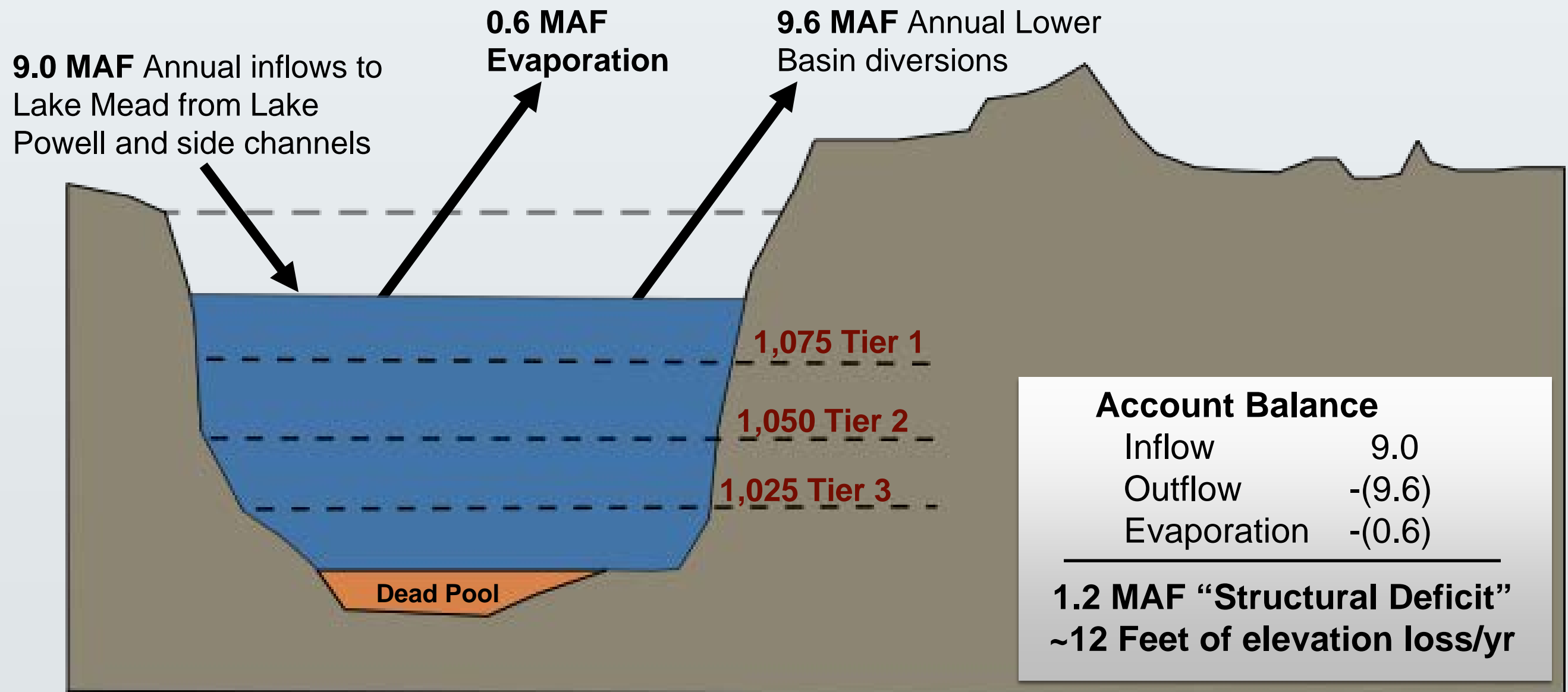
Lower Basin ~9.0 maf



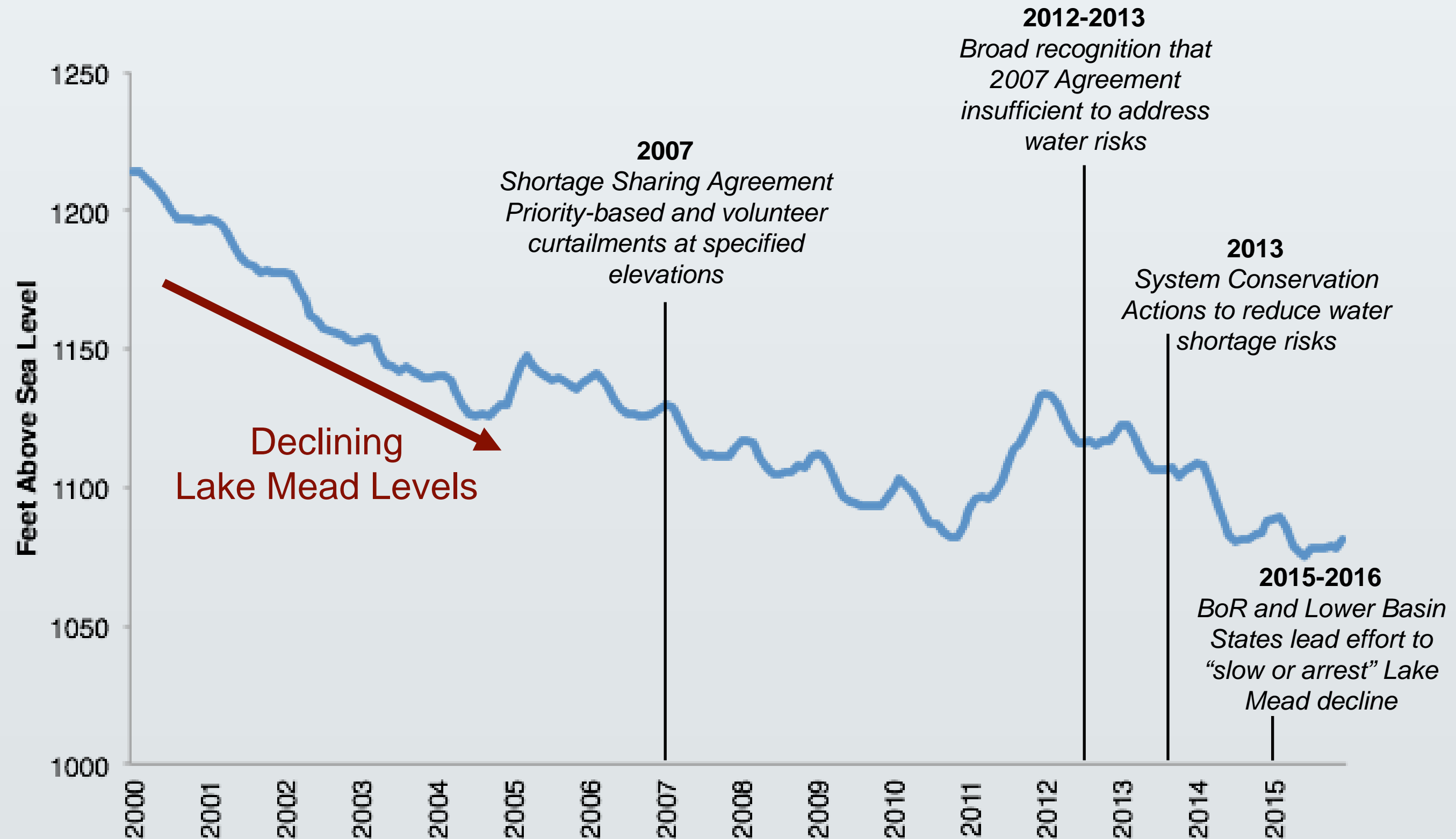
Map Source:

www.newyorker.com/magazine/2015/05/25/the-disappearing-river

Lake Mead Structural Deficit

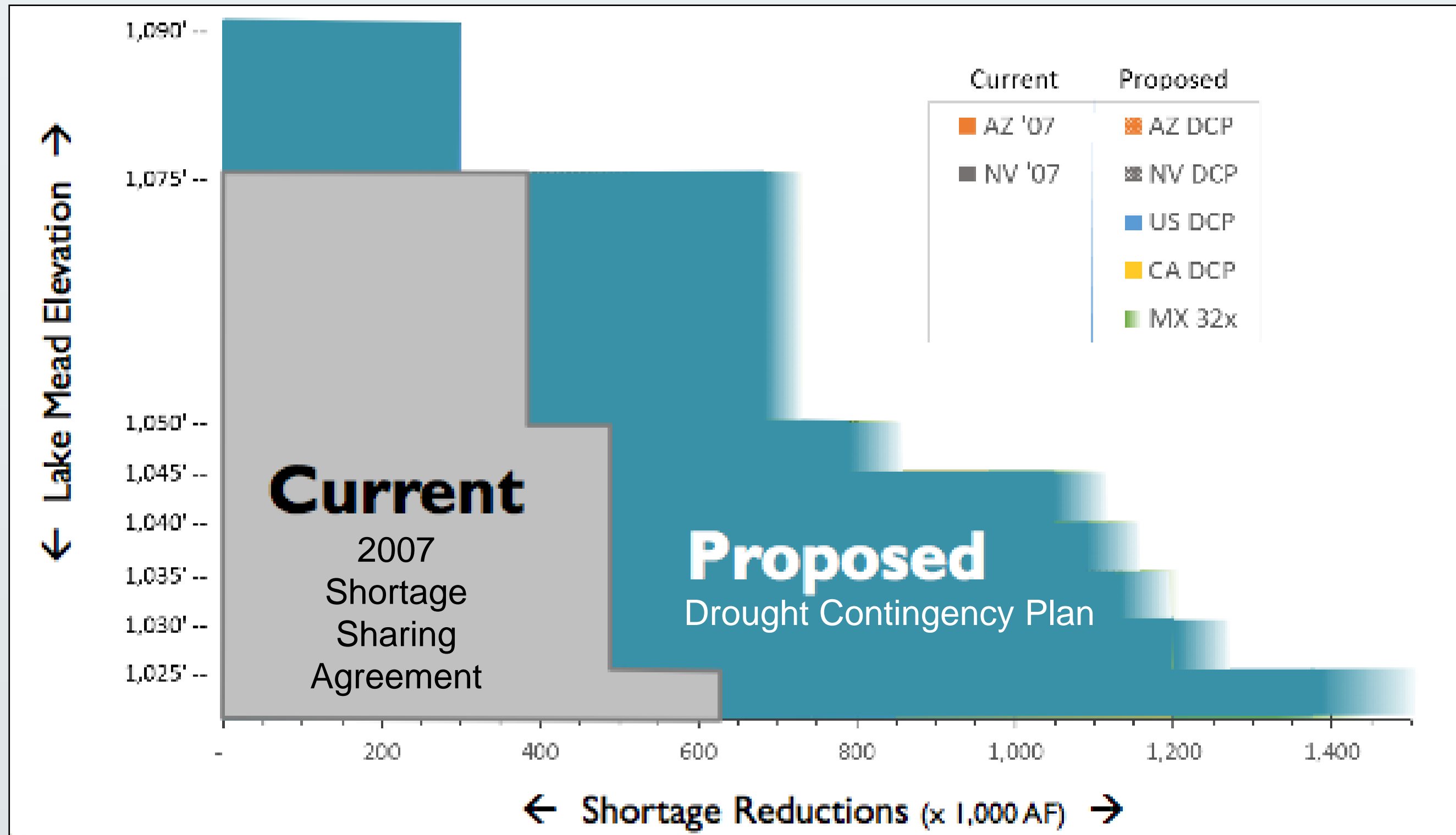


Response to Structural Deficit



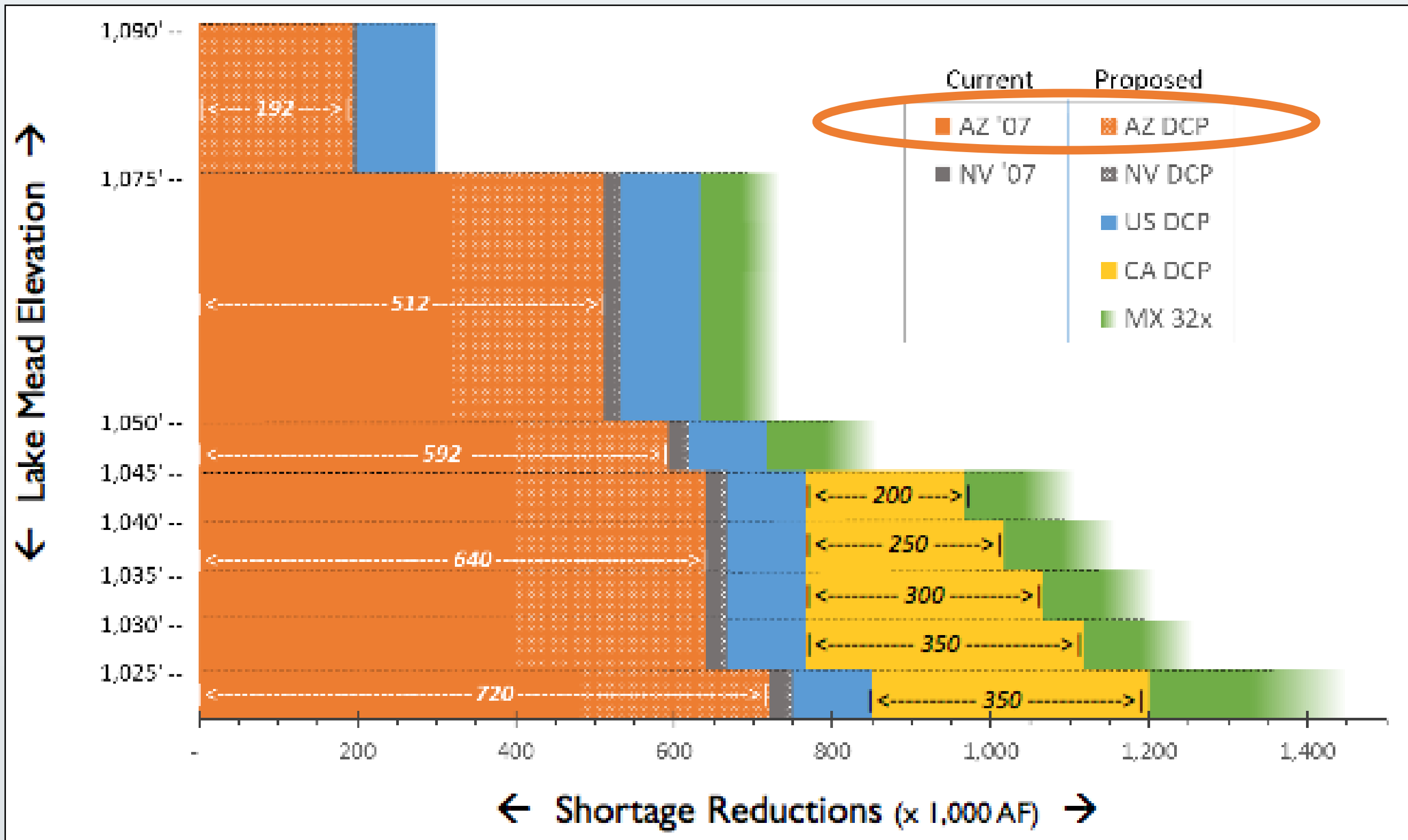
Proposed Lower Basin Drought Contingency Plan

Potential Shortage Sharing Among All Users

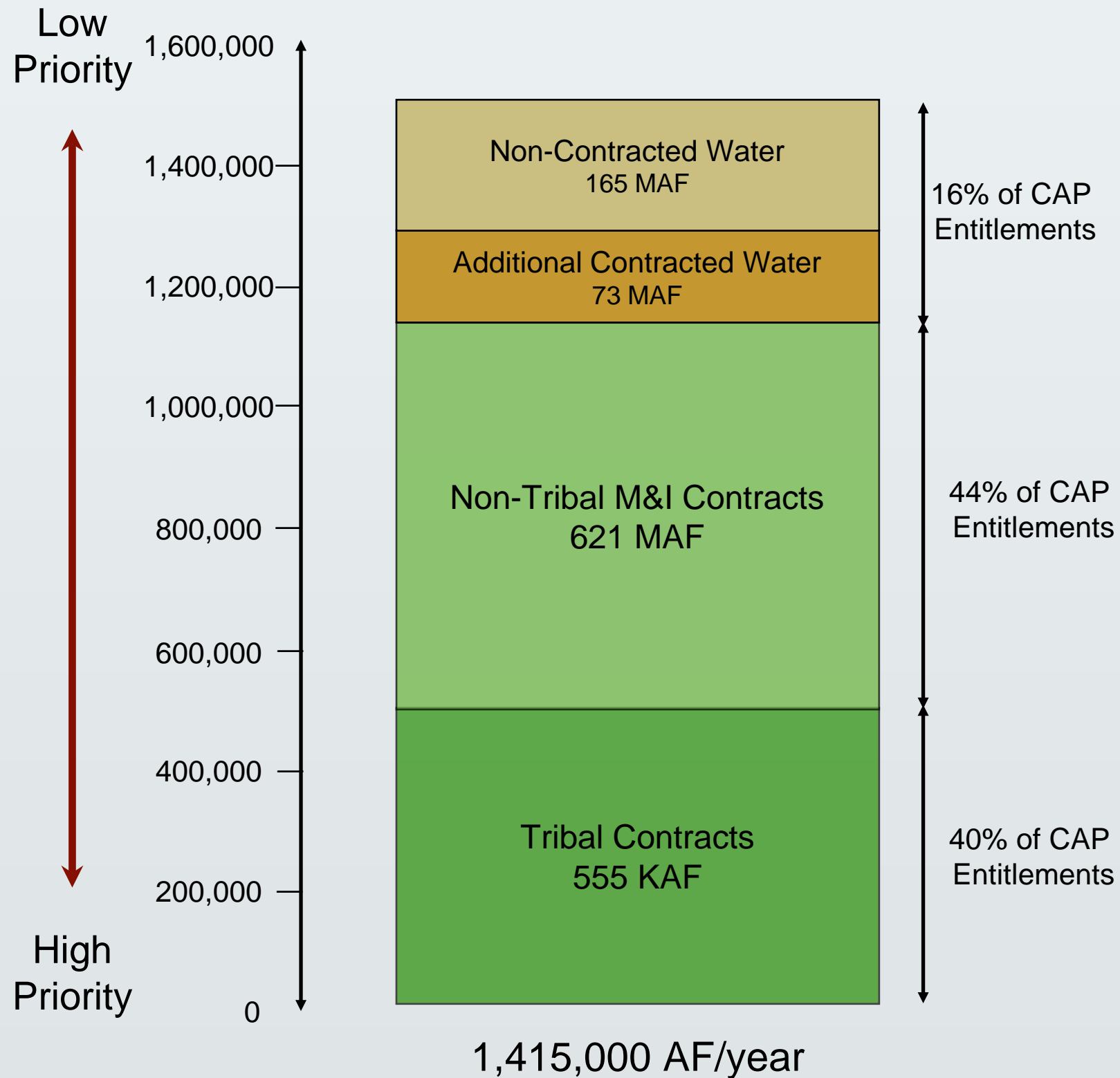


Implications for **Arizona**

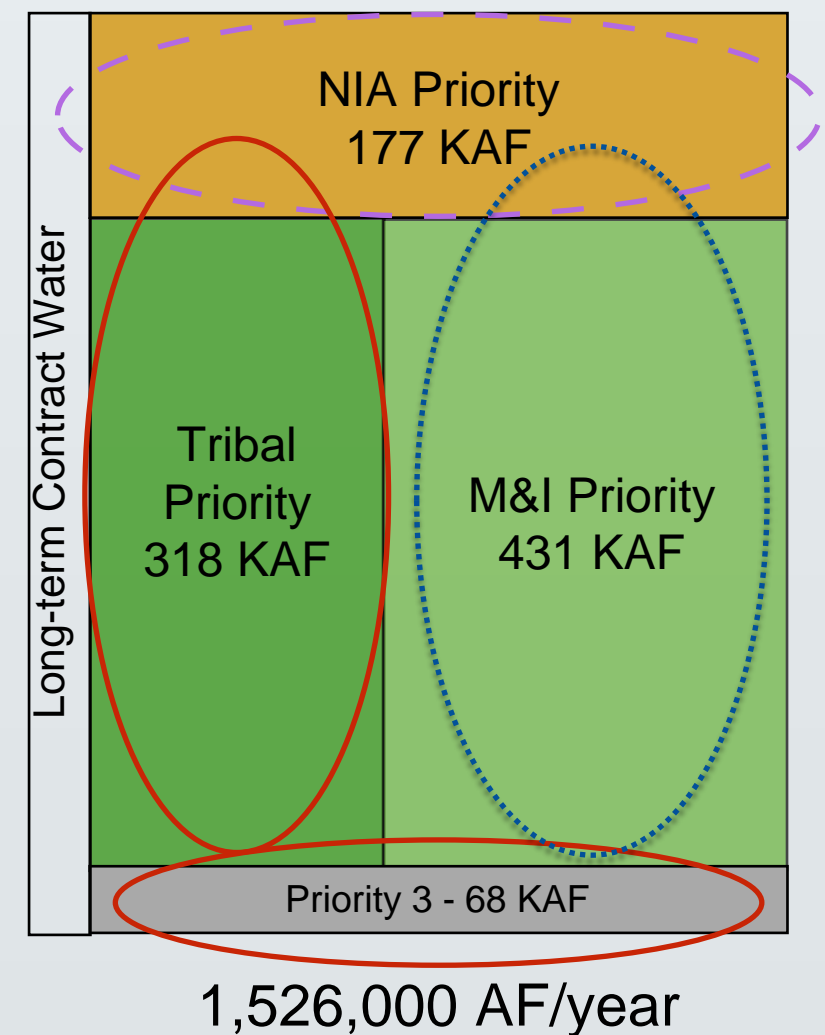
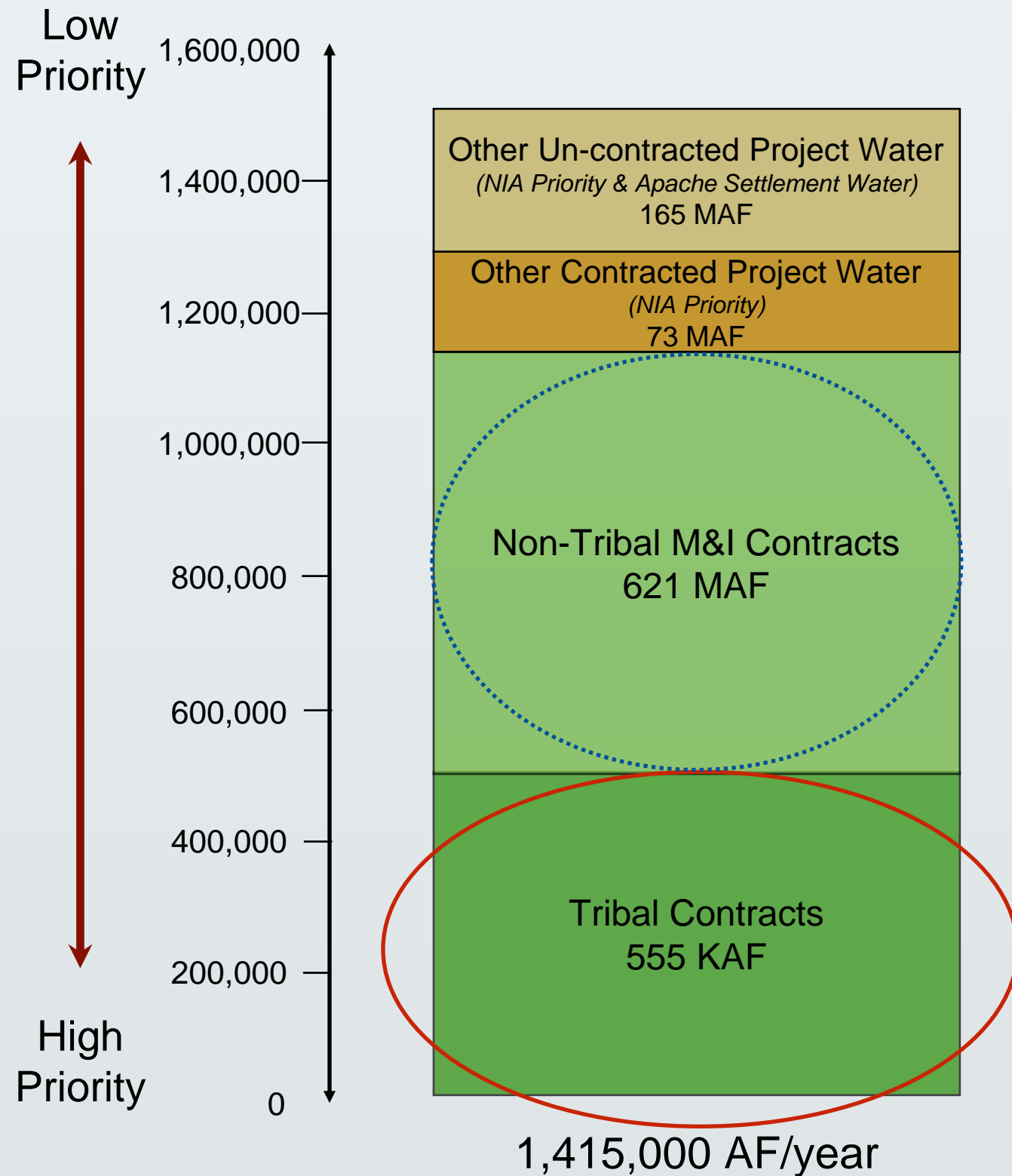
Greatest volume of curtailments



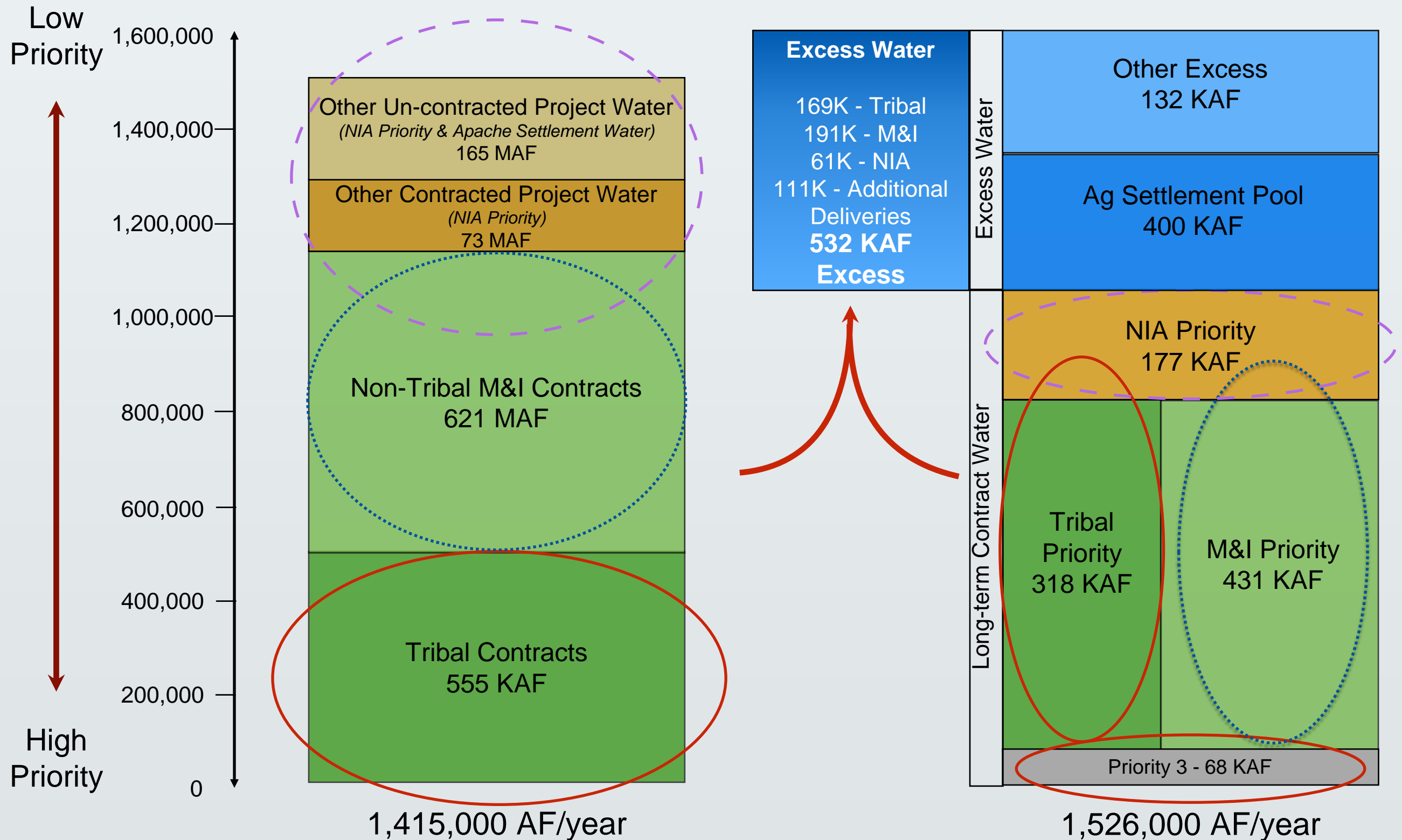
2015 CAP Entitlements



2015 CAP Deliveries



2015 CAP Deliveries



2007 Agreement + Drought Contingency Plan

Lake
Mead

Shortage Declaration Tier 1

Tier 2

1,075 ft

1,050 ft

1,025 ft

895' Dead Pool
(2.0 maf storage)

CAP Curtailments

2007
Agreement

Drought Plan

Other Excess
132 KAF

Ag Settlement Pool
400 KAF

NIA Priority
177 KAF

Tribal
Priority
318 KAF

M&I Priority
431 KAF

Priority 3 - 68 KAF

2007 Agreement + Drought Contingency Plan

Tier 1 Curtailments

Lake
Mead

Shortage Declaration Tier 1

Tier 2

1,075 ft

1,050 ft

1,025 ft

895' Dead Pool
(2.0 maf storage)

CAP Curtailments

2007
Agreement

Drought Plan

Tier 1
300,000 AF
Curtailment

Tier 1
512,000
Curtailment

NIA Priority
177 KAF

Tribal
Priority
318 KAF

M&I Priority
431 KAF

Priority 3 - 68 KAF

2007 Agreement + Drought Contingency Plan

Tier 2 Curtailments

Lake
Mead

Shortage Declaration Tier 1

Tier 2

1,075 ft

1,050 ft

1,025 ft

895' Dead Pool
(2.0 maf storage)

CAP Curtailments

2007
Agreement

Drought Plan

Tier 2
400,000 AF
Curtailment

Tier 2
From
592,000 AF

NIA Priority
177 KAF

720,000 AF

Tribal
Priority
318 KAF

M&I Priority
431 KAF

Priority 3 - 68 KAF

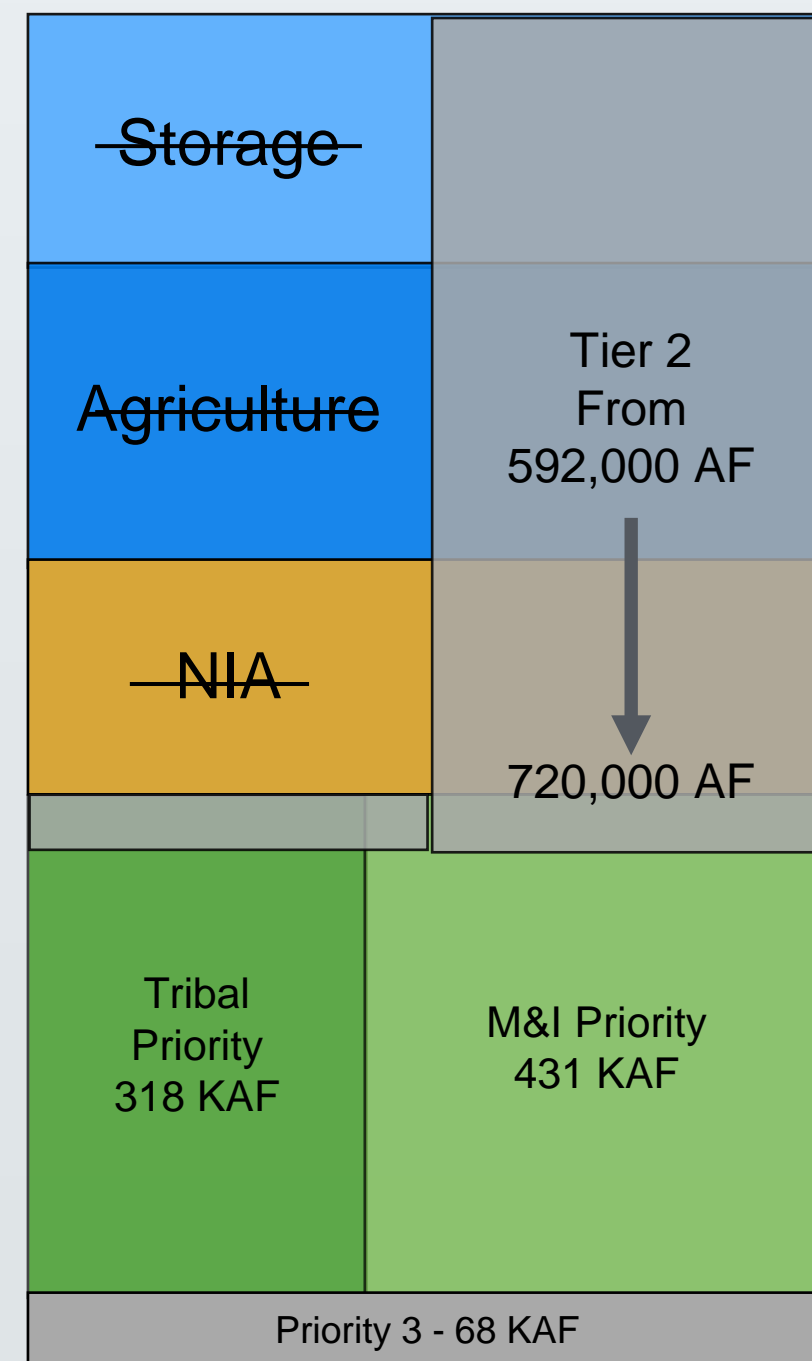
How Can Arizona Absorb the Curtailments Outlined under the Drought Contingency Plan?

“There are opportunities to lessen those effects and, more importantly, to spread the consequences more equitably among agriculture, municipalities and tribes. To that end, I have begun to reach out to water managers in Arizona to explore a collective and voluntary sharing of the impacts and benefits of this potential new agreement.”

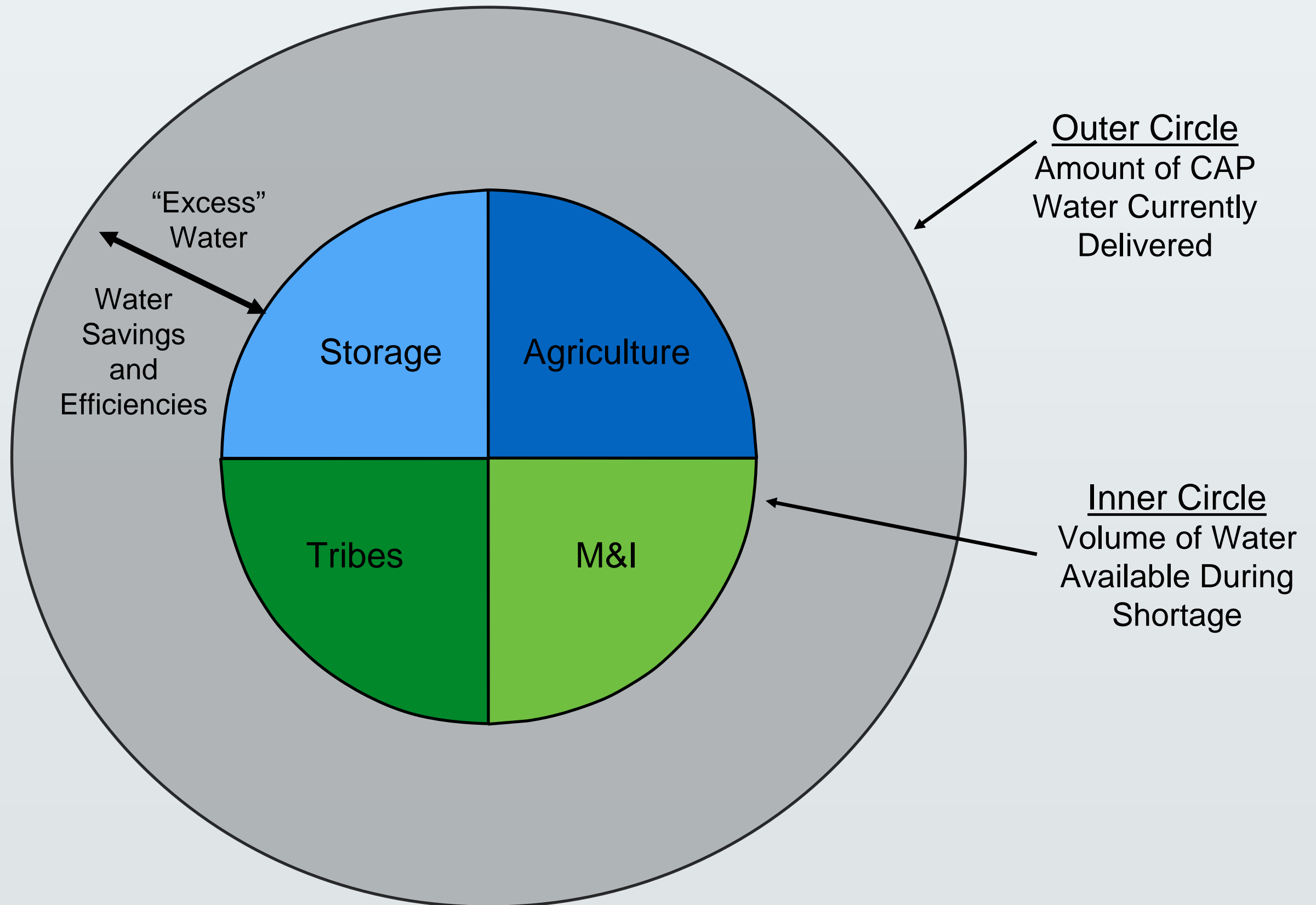
Tom Buschatzke

*Director of the Arizona Department of Water Resources,
April 22 2016 in the Arizona Republic*

CAP Curtailments



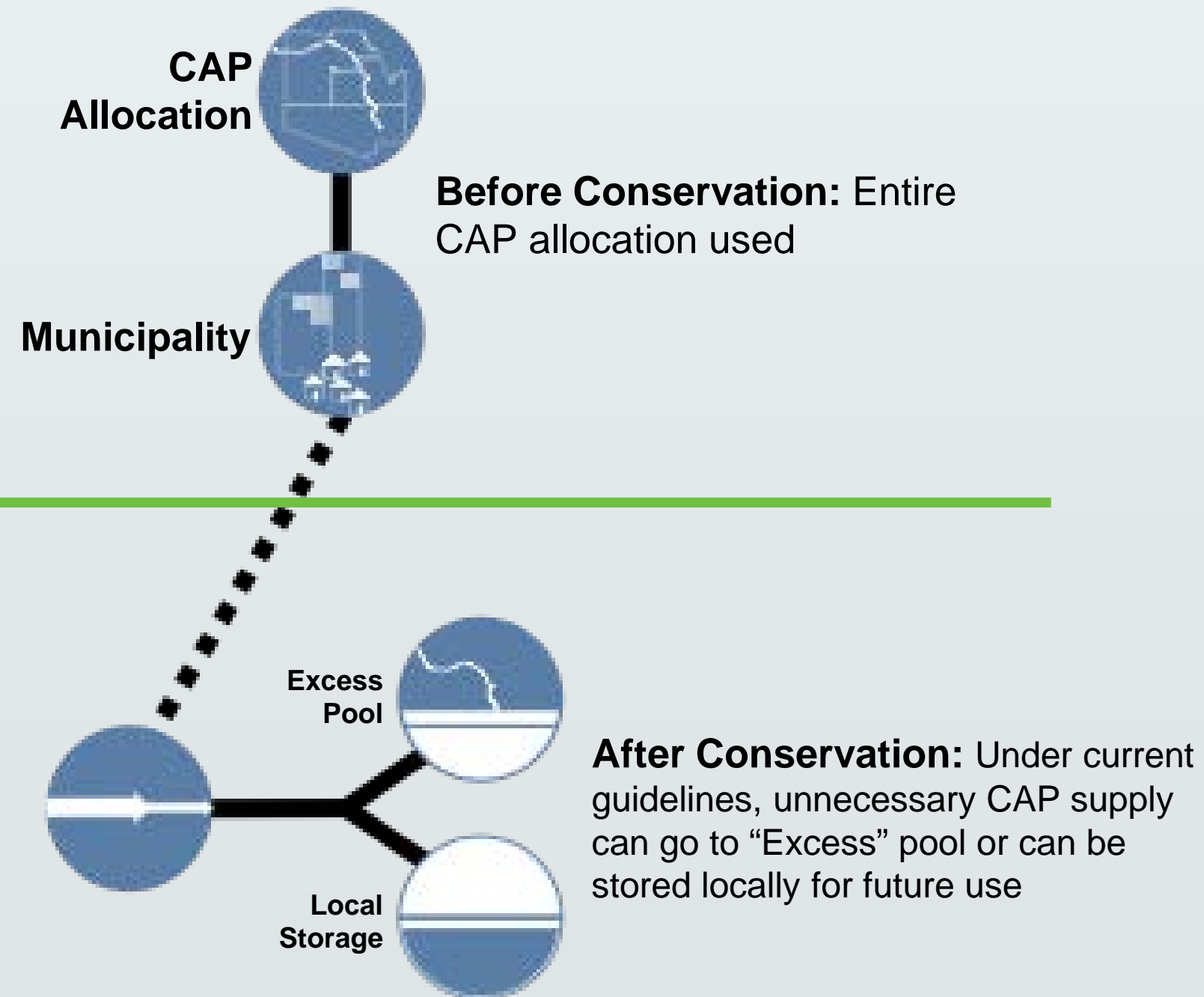
“Share the Burden”



“Share the Remaining Water”



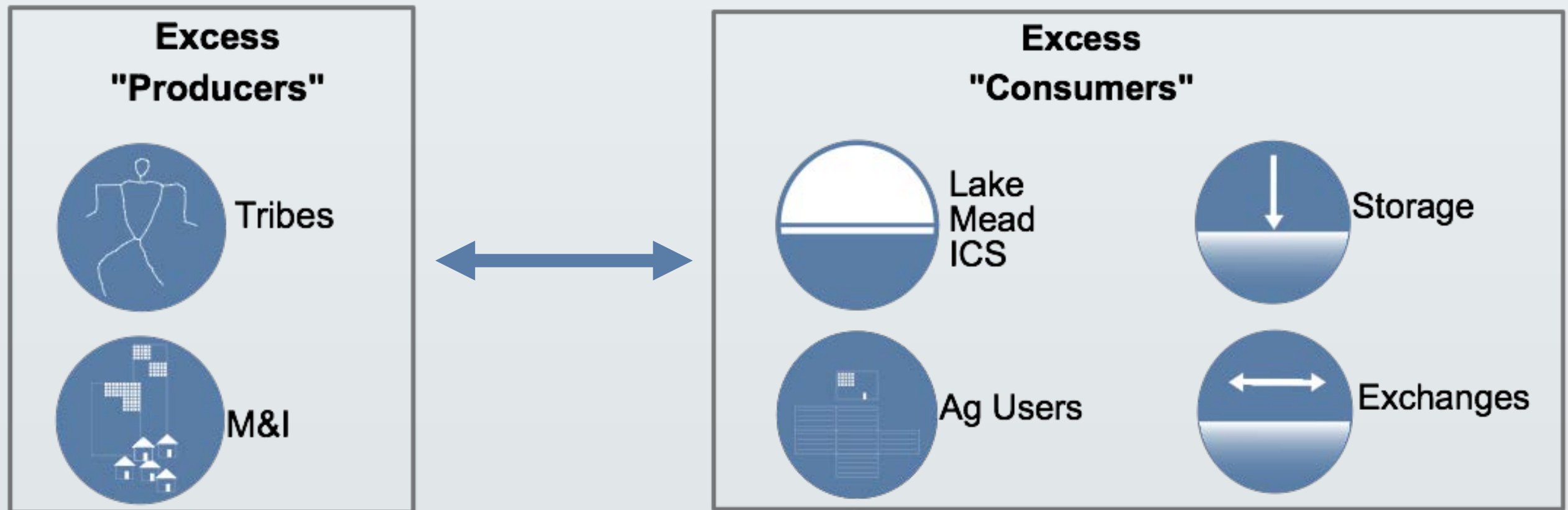
Reducing Demand Increases Flexibility



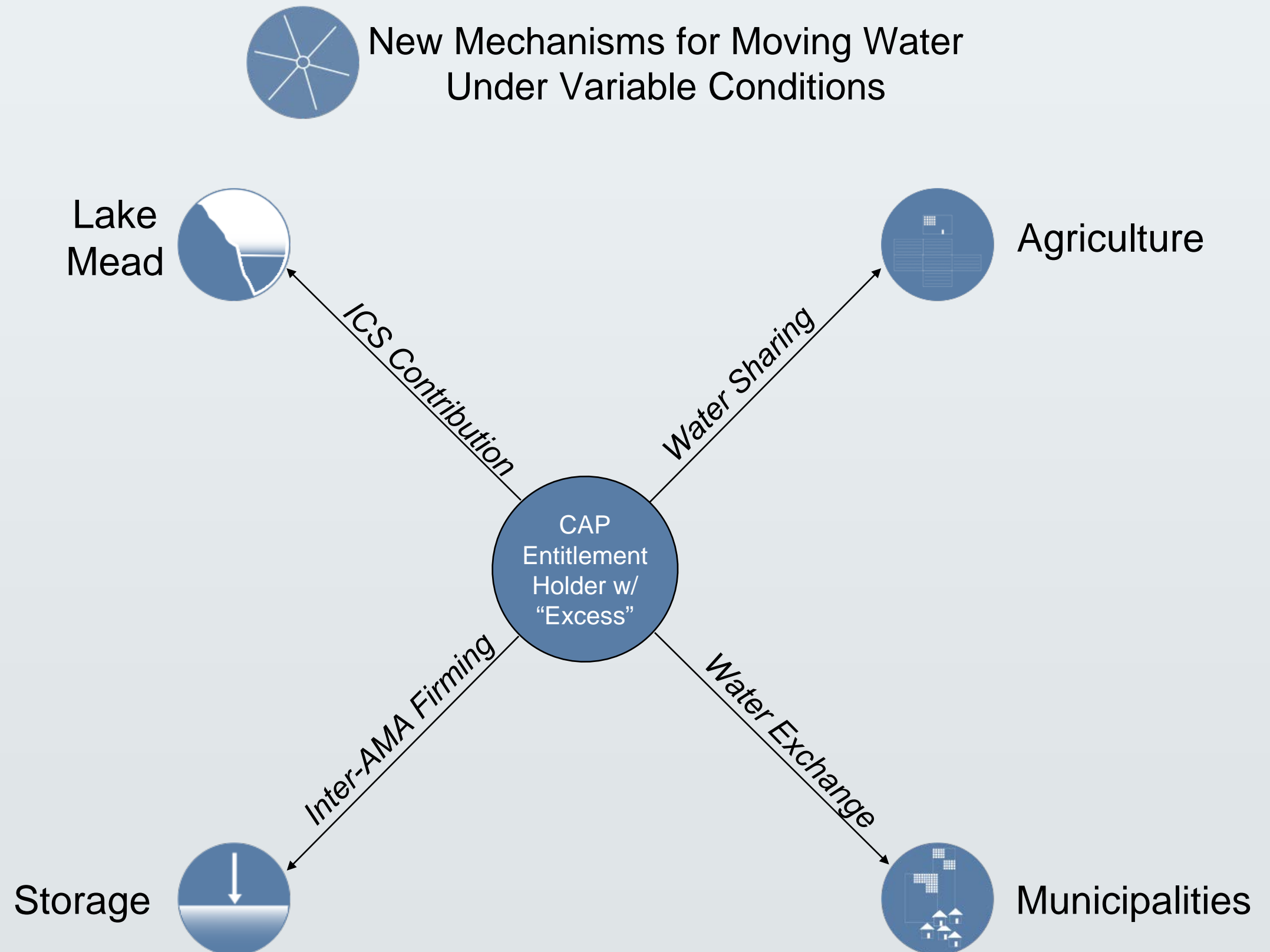
“Share the Remaining Water”



Increased Flexibility in Local Supplies



“Share the Remaining Water”



Thank you

"It's all a question of story. We are in trouble just now because we do not have a good story. We are in between stories. The old story, the account of how the system came to be and how we fit into it, is no longer effective. Yet we have not learned the new story."

~ Thomas Berry ~